

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD020323\  
 Data File : PD073823.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 03 Feb 2023 19:33  
 Operator : AR\AJ  
 Sample : TOXAPHENE302  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 04 00:04:44 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD012523CLP.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jan 25 02:23:06 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

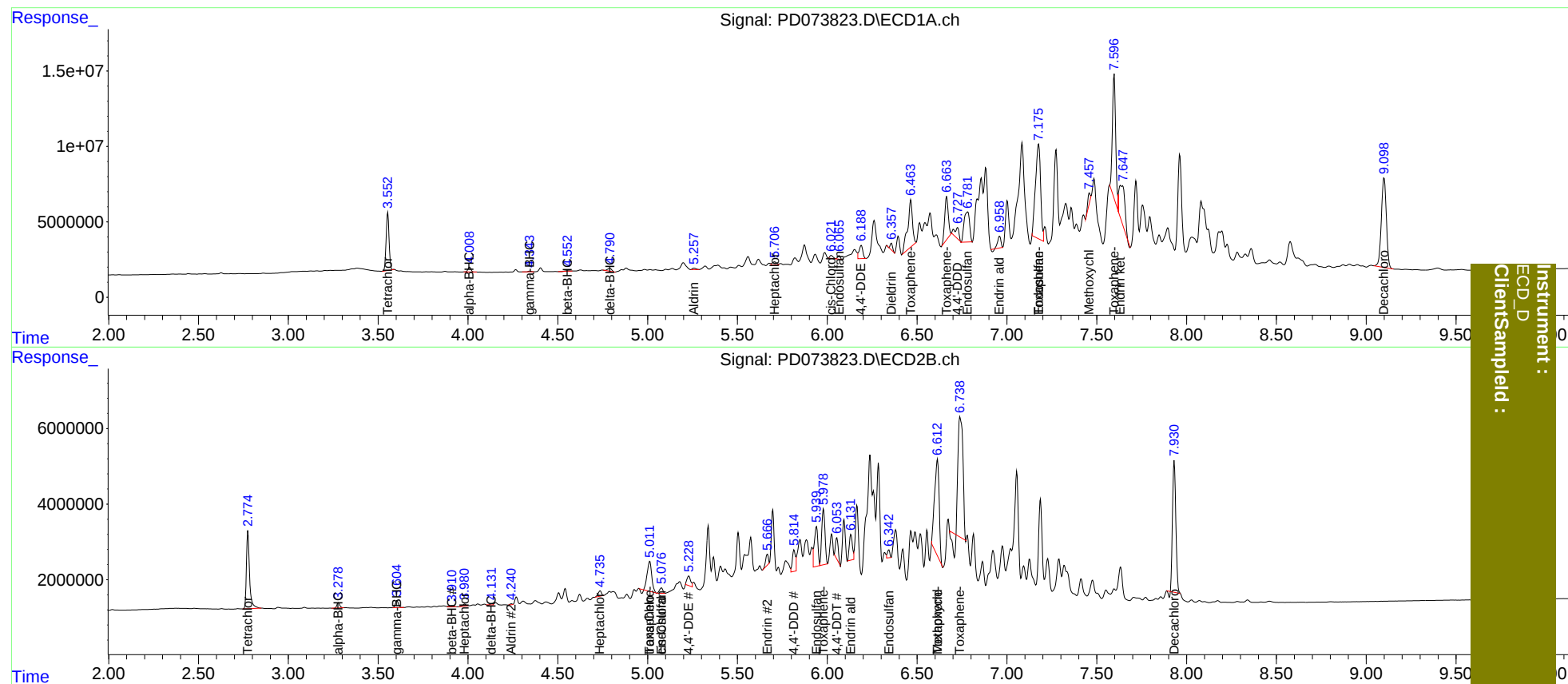
|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml    | ng/ml      |
|-----------------------------|-----------------|--------|--------|----------|----------|----------|------------|
| -----                       |                 |        |        |          |          |          |            |
| System Monitoring Compounds |                 |        |        |          |          |          |            |
| 1)                          | SA Tetrachlo... | 3.554  | 2.775  | 43975675 | 24878714 | 18.570   | 19.599     |
| 27)                         | SA Decachlor... | 9.099  | 7.931  | 115.1E6  | 44557172 | 41.720   | 37.022     |
| Target Compounds            |                 |        |        |          |          |          |            |
| 2)                          | A alpha-BHC     | 4.009  | 3.279  | 3803214  | 1553467  | 0.999    | 0.877      |
| 3)                          | MA gamma-BHC... | 4.344  | 3.605  | 464872   | 2305602  | 0.128    | 1.371 #    |
| 4)                          | MA Heptachlor   | 0.000  | 3.982f | 0        | 639947   | N.D.     | 0.424      |
| 5)                          | MB Aldrin       | 5.259  | 4.242  | 1281293  | 197127   | 0.358    | 0.116 #    |
| 6)                          | B beta-BHC      | 4.554  | 3.911  | 515441   | 596587   | 0.307    | 0.730 #    |
| 7)                          | B delta-BHC     | 4.790  | 4.132  | 3015385  | 220035   | 0.923    | 0.127 #    |
| 8)                          | B Heptachlo...  | 5.707  | 4.736  | 3542563  | 1803383  | 1.089    | 1.158      |
| 9)                          | A Endosulfan I  | 6.067  | 5.077  | 2345297  | 1860051  | 0.764    | 1.296 #    |
| 10)                         | B trans-Chl...  | 5.987  | 5.012  | -2458656 | 13460989 | N.D.     | 8.619      |
| 11)                         | B cis-Chlor...  | 6.023  | 5.077  | 2475543  | 1860051  | 0.743    | 1.157 #    |
| 12)                         | B 4,4'-DDE      | 6.189  | 5.230  | 12736017 | 3634416  | 4.040    | 2.475 #    |
| 13)                         | MA Dieldrin     | 6.357  | 5.367  | 4374034  | -2017133 | 1.302    | N.D. #     |
| 14)                         | MA Endrin       | 6.607  | 5.667  | -4000328 | 2854043  | N.D.     | 2.217      |
| 15)                         | B Endosulfa...  | 6.781f | 5.940  | 42440247 | 14628417 | 14.360   | 10.631 #   |
| 16)                         | A 4,4'-DDD      | 6.726  | 5.815  | 12068708 | 6638690  | 4.743    | 5.504      |
| 17)                         | MA 4,4'-DDT     | 0.000  | 6.053  | 0        | 6006680  | N.D.     | 5.088      |
| 18)                         | B Endrin al...  | 6.960  | 6.132  | 8571240  | 8000757  | 3.584    | 7.329 #    |
| 19)                         | B Endosulfa...  | 7.177  | 6.343  | 124.2E6  | 2061392  | 44.691   | 1.639 #    |
| 20)                         | A Methoxychlor  | 7.460f | 6.614  | 5741858  | 45434710 | 3.858    | 82.375 #   |
| 21)                         | B Endrin ke...  | 7.633f | 6.865  | 57201200 | -5318745 | 17.946   | N.D. #     |
| 22)                         | Toxaphene-1     | 0.000  | 5.012  | 0        | 13460989 | N.D.     | 1533.763   |
| 23)                         | Toxaphene-2     | 6.465  | 5.728  | 58204226 | -3593733 | 1977.566 | N.D. #     |
| 24)                         | Toxaphene-3     | 6.665  | 5.979  | 40429514 | 18579493 | 1922.718 | 1927.555   |
| 25)                         | Toxaphene-4     | 7.177  | 6.614  | 124.2E6  | 45434710 | 1974.347 | 1529.774   |
| 26)                         | Toxaphene-5     | 7.597  | 6.739  | 105.1E6  | 56487204 | 2234.590 | 1492.622 # |
| -----                       |                 |        |        |          |          |          |            |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

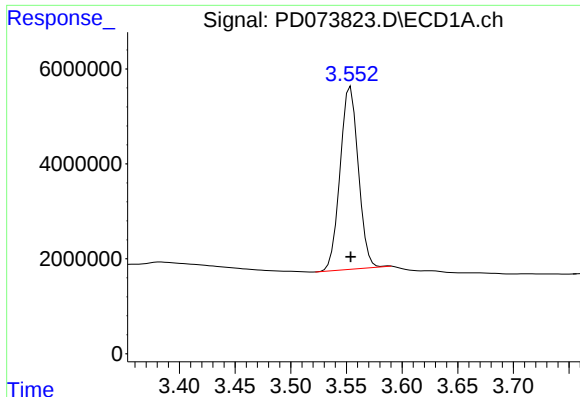
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD020323\  
Data File : PD073823.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 03 Feb 2023 19:33  
Operator : AR\AJ  
Sample : TOXAPHENE302  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 04 00:04:44 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD012523CLP.M  
Quant Title : GC Extractables  
QLast Update : Wed Jan 25 02:23:06 2023  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



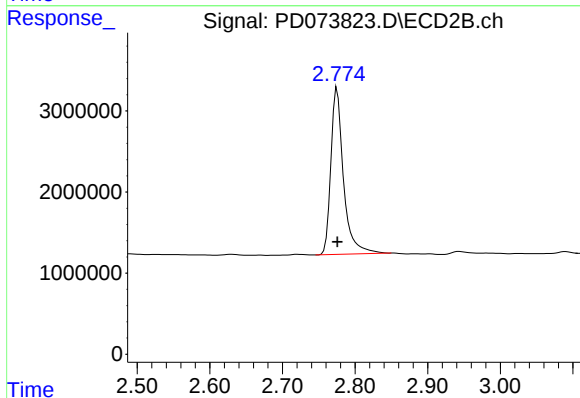
Instrument :  
ECD\_D  
ClientSampled :



#1 Tetrachloro-m-xylene

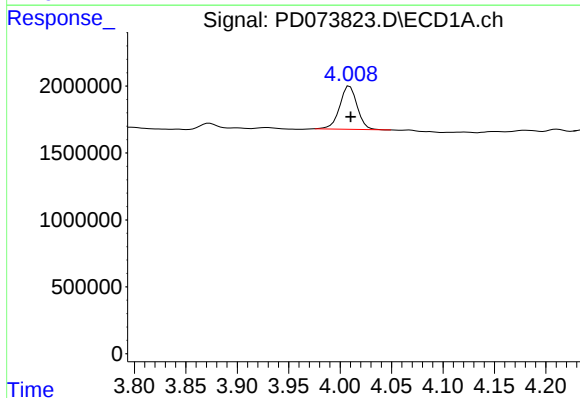
R.T.: 3.554 min  
Delta R.T.: 0.000 min  
Response: 43975675  
Conc: 18.57 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



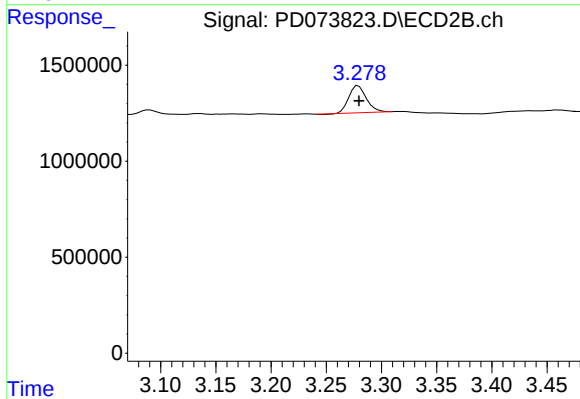
#1 Tetrachloro-m-xylene

R.T.: 2.775 min  
Delta R.T.: 0.000 min  
Response: 24878714  
Conc: 19.60 ng/ml



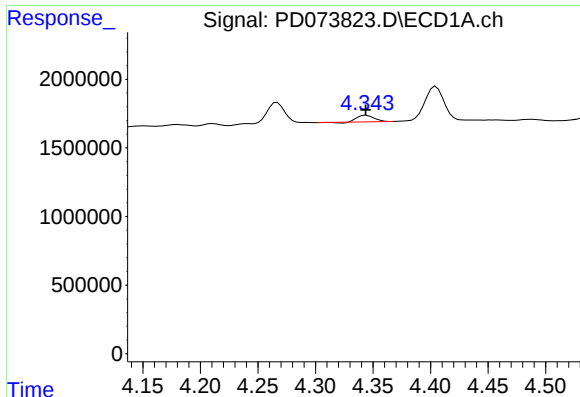
#2 alpha-BHC

R.T.: 4.009 min  
Delta R.T.: 0.000 min  
Response: 3803214  
Conc: 1.00 ng/ml



#2 alpha-BHC

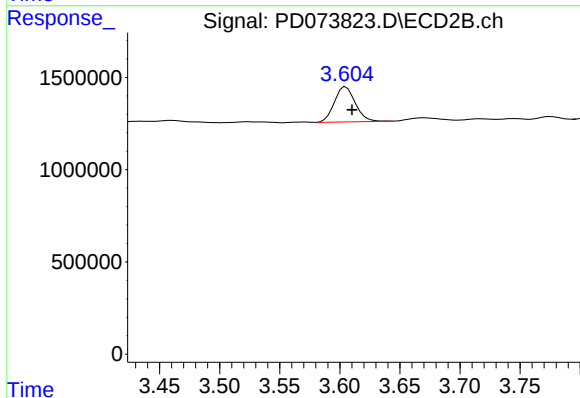
R.T.: 3.279 min  
Delta R.T.: 0.000 min  
Response: 1553467  
Conc: 0.88 ng/ml



#3 gamma-BHC (Lindane)

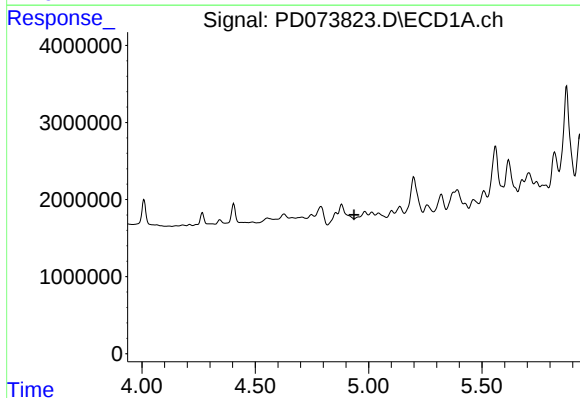
R.T.: 4.344 min  
Delta R.T.: 0.000 min  
Response: 464872  
Conc: 0.13 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



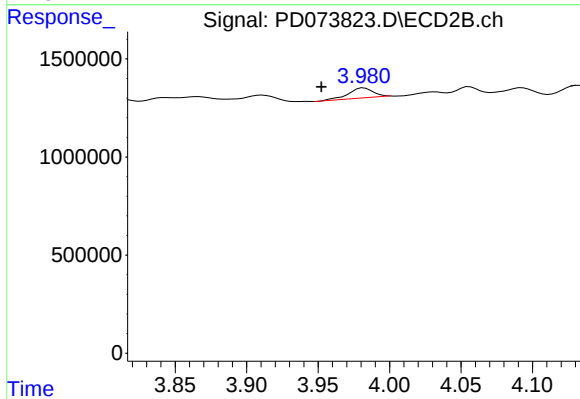
#3 gamma-BHC (Lindane)

R.T.: 3.605 min  
Delta R.T.: -0.005 min  
Response: 2305602  
Conc: 1.37 ng/ml



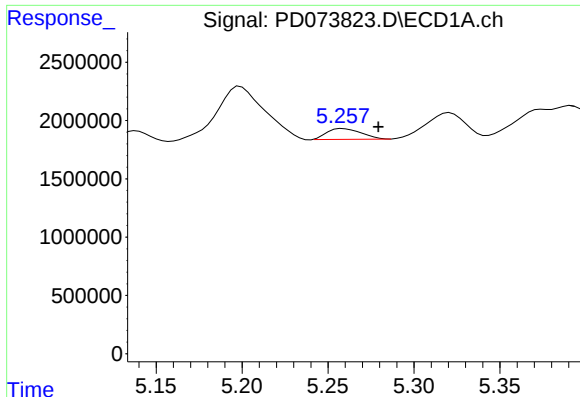
#4 Heptachlor

R.T.: 0.000 min  
Exp R.T. : 4.936 min  
Response: 0  
Conc: N.D.



#4 Heptachlor

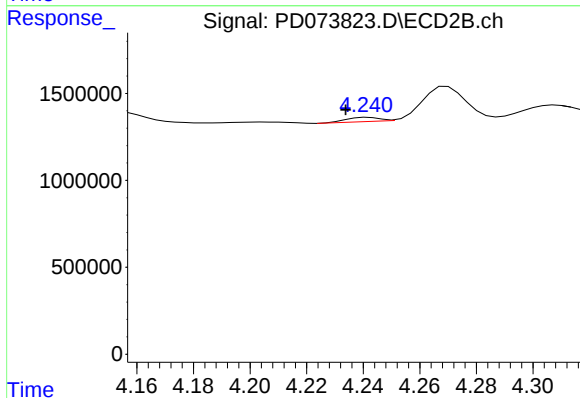
R.T.: 3.982 min  
Delta R.T.: 0.030 min  
Response: 639947  
Conc: 0.42 ng/ml



#5 Aldrin

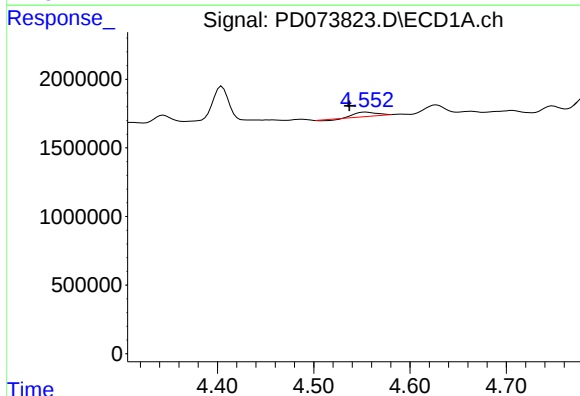
R.T.: 5.259 min  
Delta R.T.: -0.020 min  
Response: 1281293  
Conc: 0.36 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



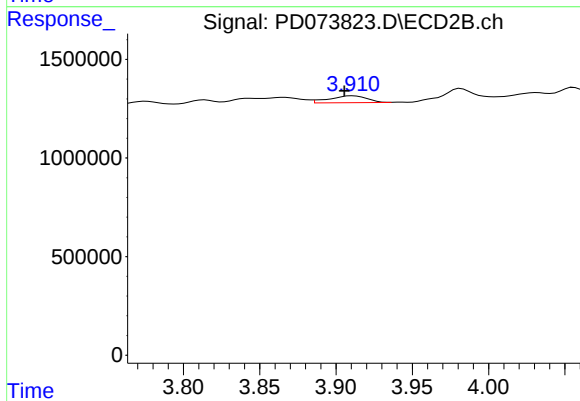
#5 Aldrin

R.T.: 4.242 min  
Delta R.T.: 0.008 min  
Response: 197127  
Conc: 0.12 ng/ml



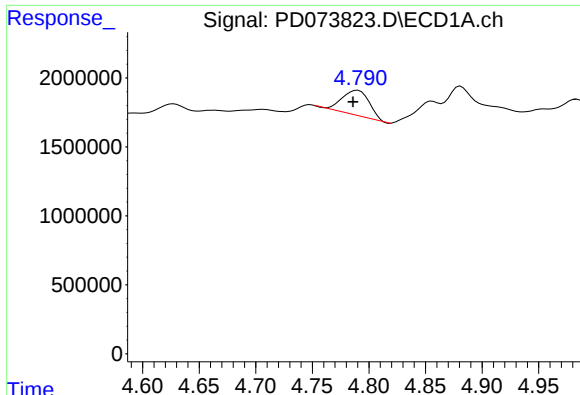
#6 beta-BHC

R.T.: 4.554 min  
Delta R.T.: 0.017 min  
Response: 515441  
Conc: 0.31 ng/ml



#6 beta-BHC

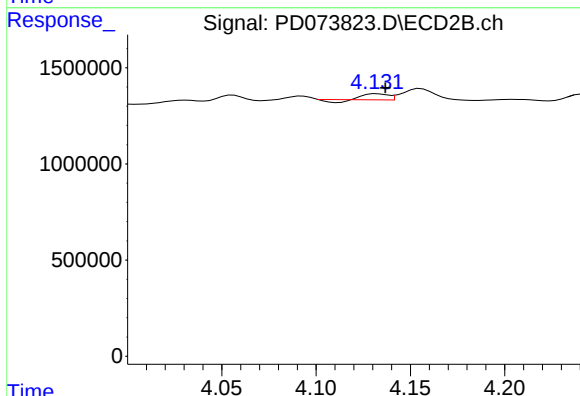
R.T.: 3.911 min  
Delta R.T.: 0.005 min  
Response: 596587  
Conc: 0.73 ng/ml



#7 delta-BHC

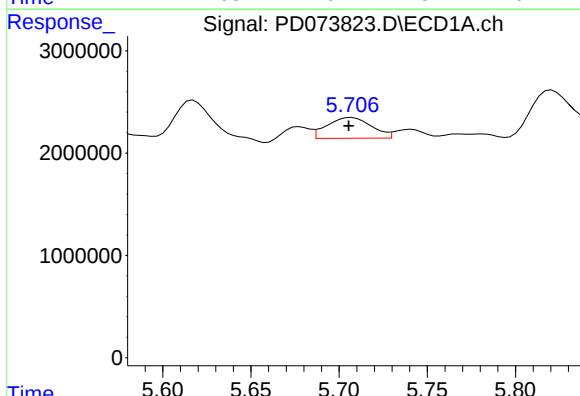
R.T.: 4.790 min  
Delta R.T.: 0.004 min  
Response: 3015385  
Conc: 0.92 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



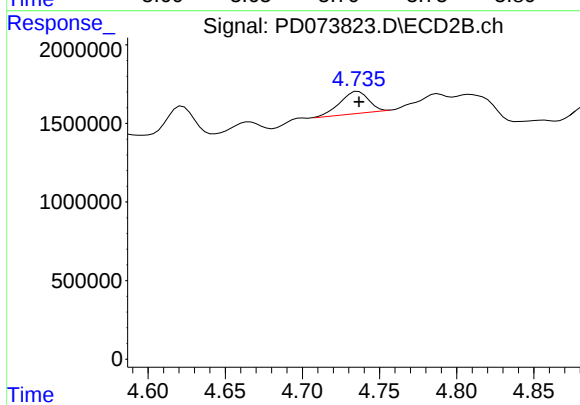
#7 delta-BHC

R.T.: 4.132 min  
Delta R.T.: -0.004 min  
Response: 220035  
Conc: 0.13 ng/ml



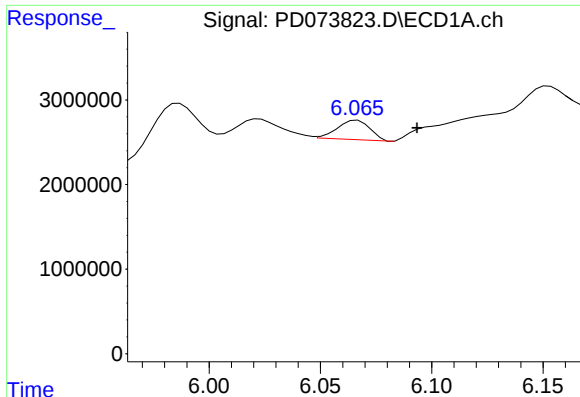
#8 Heptachlor epoxide

R.T.: 5.707 min  
Delta R.T.: 0.002 min  
Response: 3542563  
Conc: 1.09 ng/ml



#8 Heptachlor epoxide

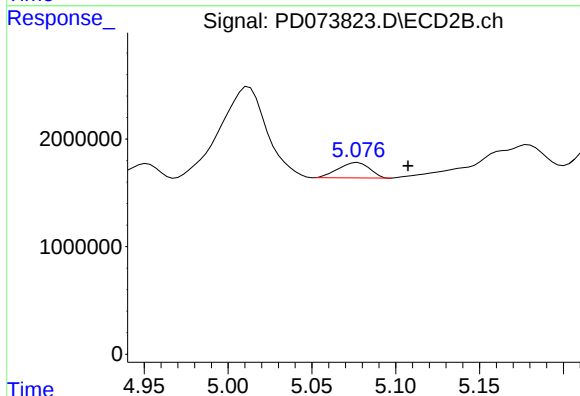
R.T.: 4.736 min  
Delta R.T.: 0.000 min  
Response: 1803383  
Conc: 1.16 ng/ml



#9 Endosulfan I

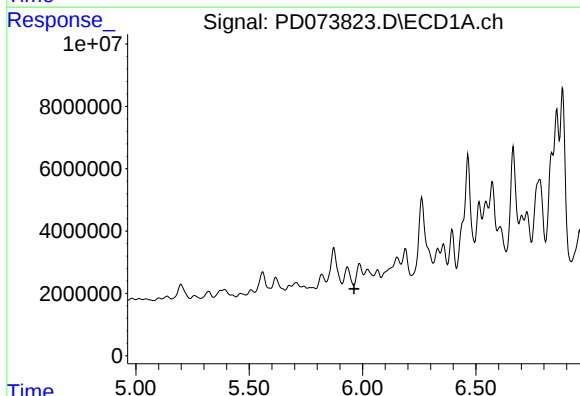
R.T.: 6.067 min  
Delta R.T.: -0.027 min  
Response: 2345297  
Conc: 0.76 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



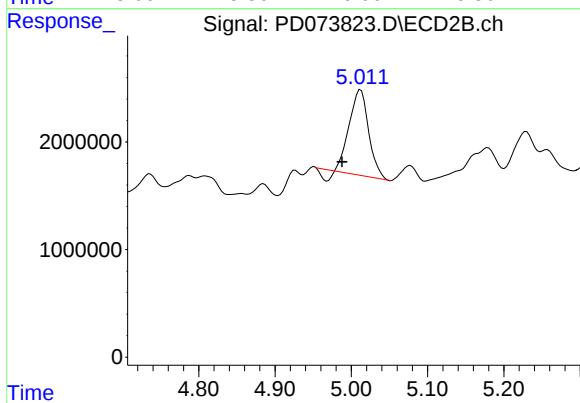
#9 Endosulfan I

R.T.: 5.077 min  
Delta R.T.: -0.030 min  
Response: 1860051  
Conc: 1.30 ng/ml



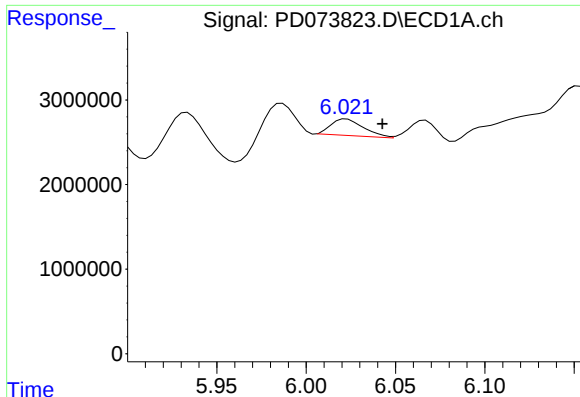
#10 trans-Chlordane

R.T.: 5.987 min  
Delta R.T.: 0.024 min  
Response: -2458656  
Conc: N.D.



#10 trans-Chlordane

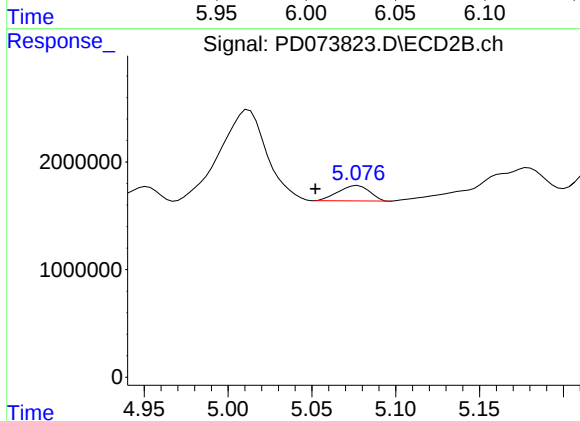
R.T.: 5.012 min  
Delta R.T.: 0.025 min  
Response: 13460989  
Conc: 8.62 ng/ml



#11 cis-Chlordane

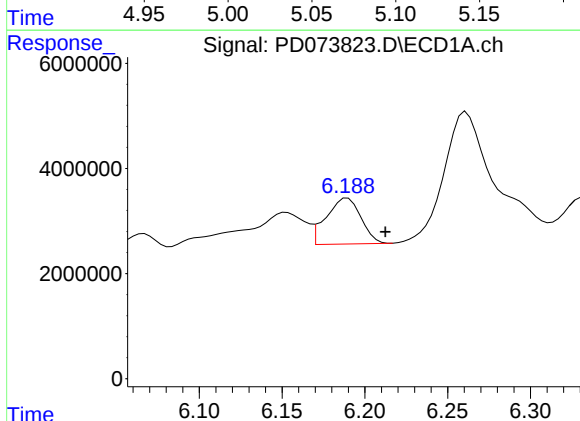
R.T.: 6.023 min  
Delta R.T.: -0.020 min  
Response: 2475543  
Conc: 0.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



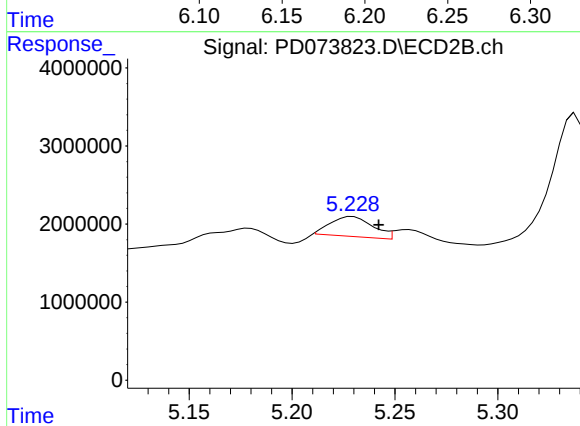
#11 cis-Chlordane

R.T.: 5.077 min  
Delta R.T.: 0.025 min  
Response: 1860051  
Conc: 1.16 ng/ml



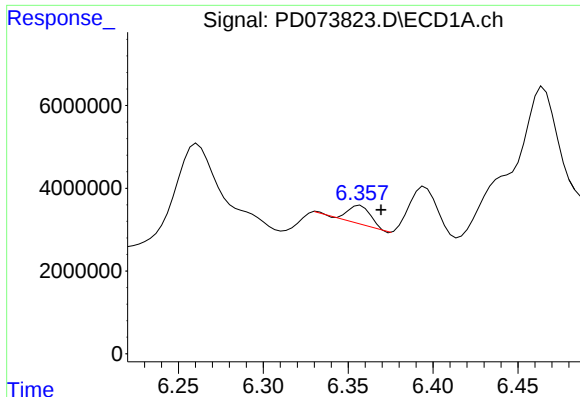
#12 4,4'-DDE

R.T.: 6.189 min  
Delta R.T.: -0.023 min  
Response: 12736017  
Conc: 4.04 ng/ml



#12 4,4'-DDE

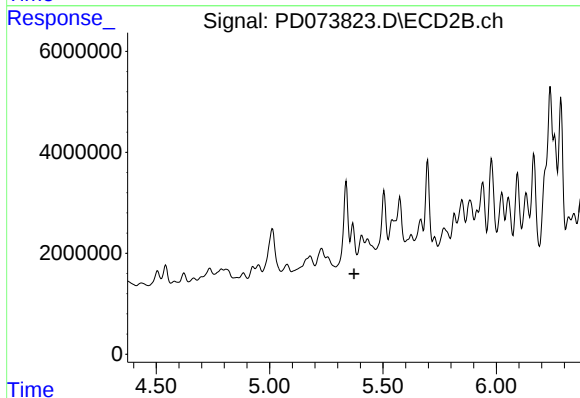
R.T.: 5.230 min  
Delta R.T.: -0.013 min  
Response: 3634416  
Conc: 2.47 ng/ml



#13 Dieldrin

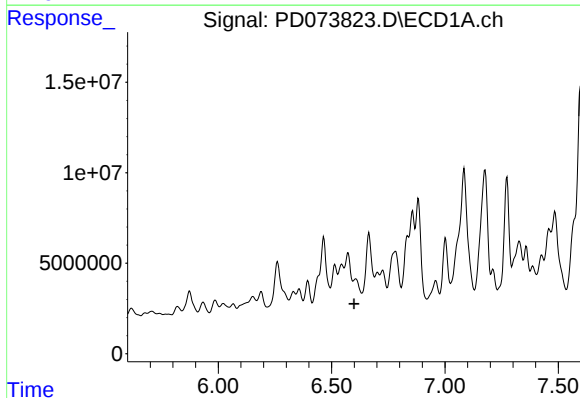
R.T.: 6.357 min  
Delta R.T.: -0.012 min  
Response: 4374034  
Conc: 1.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



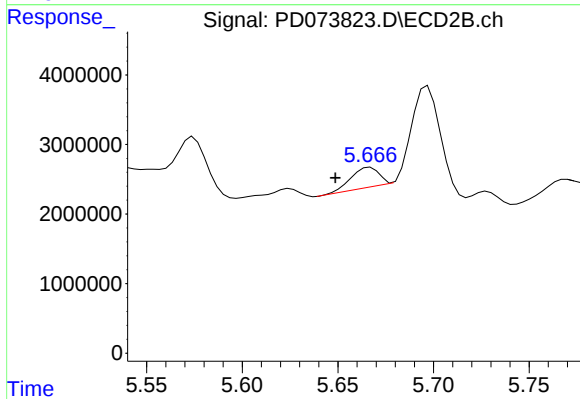
#13 Dieldrin

R.T.: 5.367 min  
Delta R.T.: -0.005 min  
Response: -2017133  
Conc: N.D.



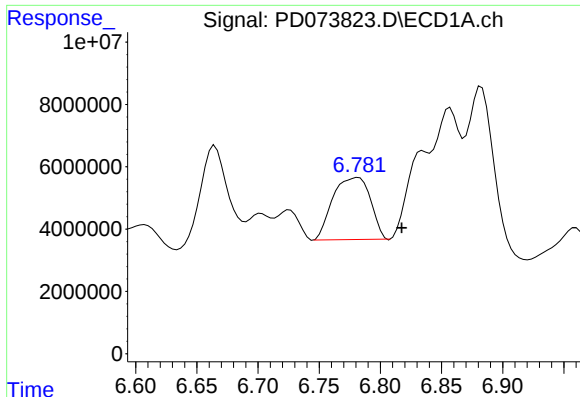
#14 Endrin

R.T.: 6.607 min  
Delta R.T.: 0.007 min  
Response: -4000328  
Conc: N.D.



#14 Endrin

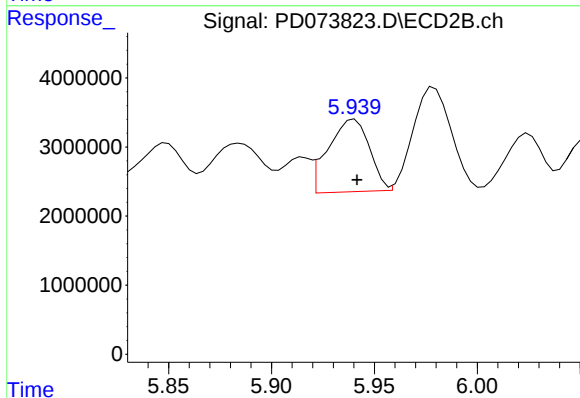
R.T.: 5.667 min  
Delta R.T.: 0.018 min  
Response: 2854043  
Conc: 2.22 ng/ml



#15 Endosulfan II

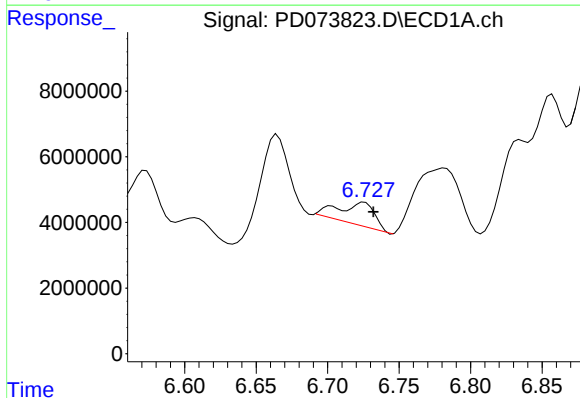
R.T.: 6.781 min  
Delta R.T.: -0.036 min  
Response: 42440247  
Conc: 14.36 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



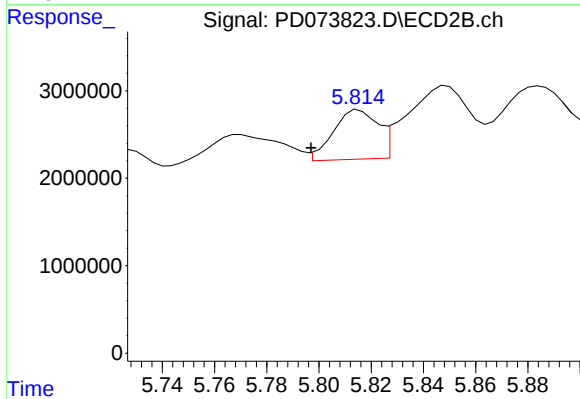
#15 Endosulfan II

R.T.: 5.940 min  
Delta R.T.: -0.001 min  
Response: 14628417  
Conc: 10.63 ng/ml



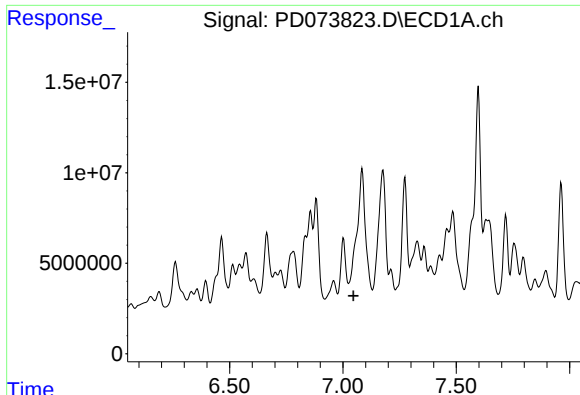
#16 4,4'-DDD

R.T.: 6.726 min  
Delta R.T.: -0.007 min  
Response: 12068708  
Conc: 4.74 ng/ml



#16 4,4'-DDD

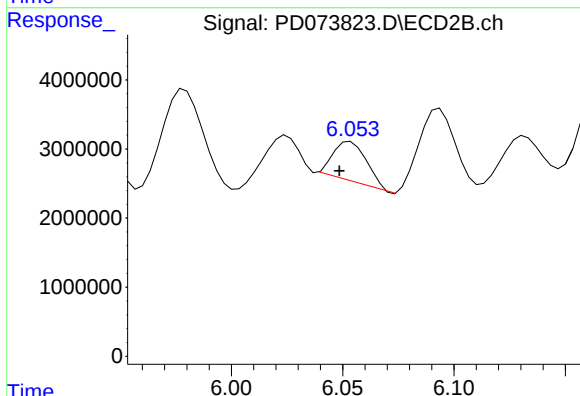
R.T.: 5.815 min  
Delta R.T.: 0.019 min  
Response: 6638690  
Conc: 5.50 ng/ml



#17 4,4'-DDT

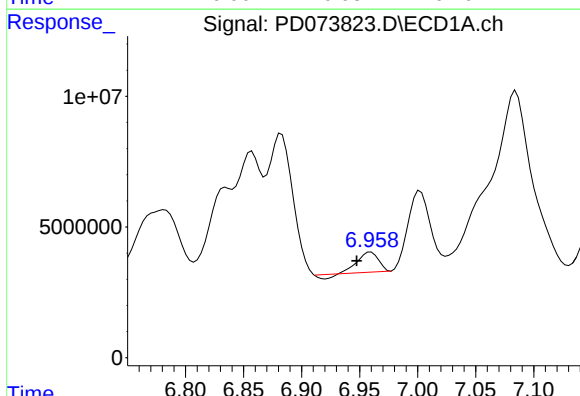
R.T.: 0.000 min  
Exp R.T.: 7.047 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



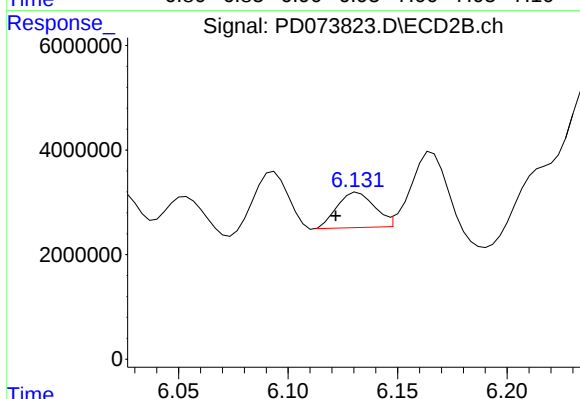
#17 4,4'-DDT

R.T.: 6.053 min  
Delta R.T.: 0.005 min  
Response: 6006680  
Conc: 5.09 ng/ml



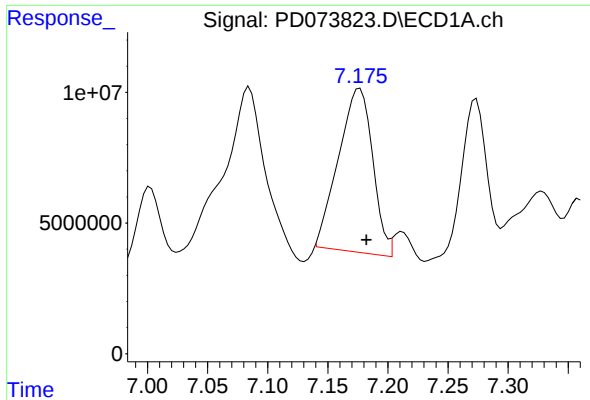
#18 Endrin aldehyde

R.T.: 6.960 min  
Delta R.T.: 0.012 min  
Response: 8571240  
Conc: 3.58 ng/ml



#18 Endrin aldehyde

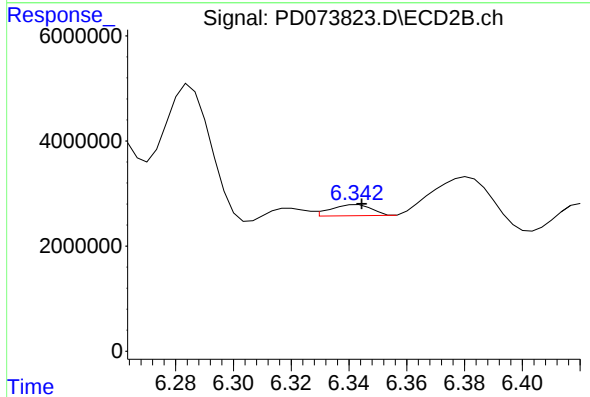
R.T.: 6.132 min  
Delta R.T.: 0.010 min  
Response: 8000757  
Conc: 7.33 ng/ml



#19 Endosulfan Sulfate

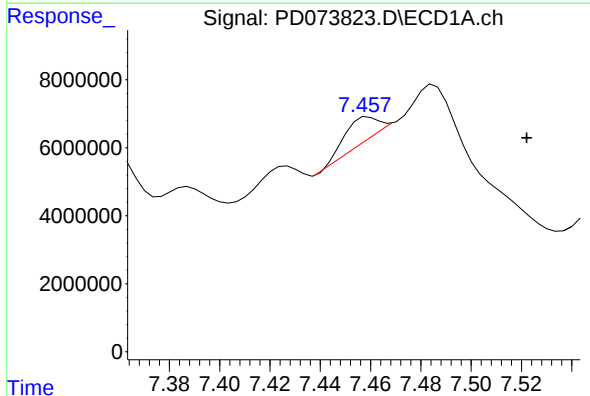
R.T.: 7.177 min  
Delta R.T.: -0.006 min  
Response: 124173332  
Conc: 44.69 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



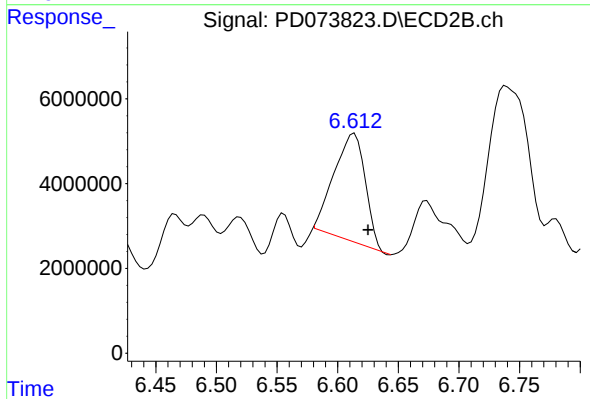
#19 Endosulfan Sulfate

R.T.: 6.343 min  
Delta R.T.: -0.001 min  
Response: 2061392  
Conc: 1.64 ng/ml



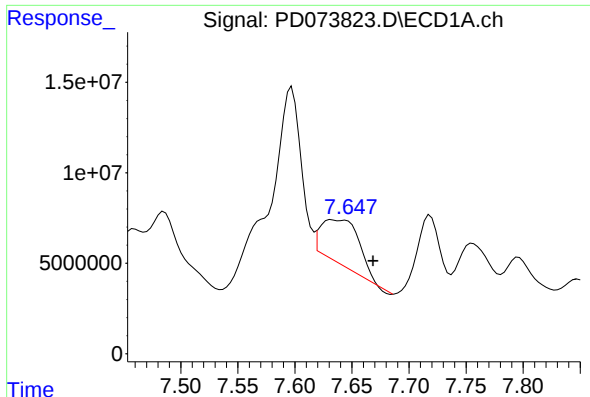
#20 Methoxychlor

R.T.: 7.460 min  
Delta R.T.: -0.062 min  
Response: 5741858  
Conc: 3.86 ng/ml



#20 Methoxychlor

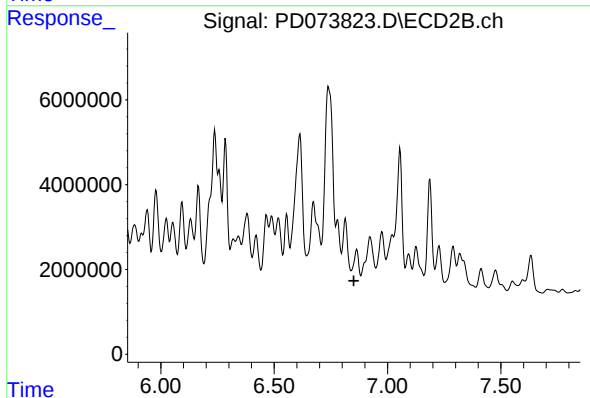
R.T.: 6.614 min  
Delta R.T.: -0.011 min  
Response: 45434710  
Conc: 82.37 ng/ml



#21 Endrin ketone

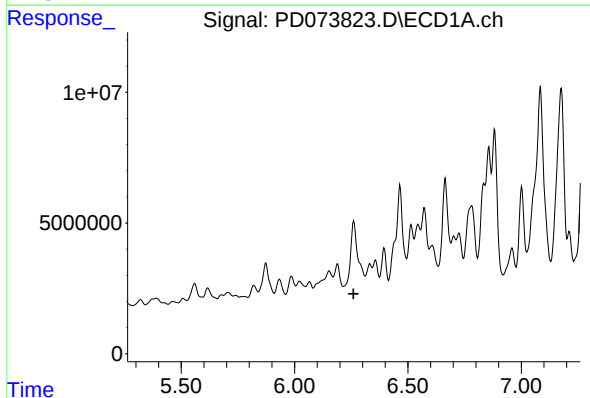
R.T.: 7.633 min  
Delta R.T.: -0.036 min  
Response: 57201200  
Conc: 17.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



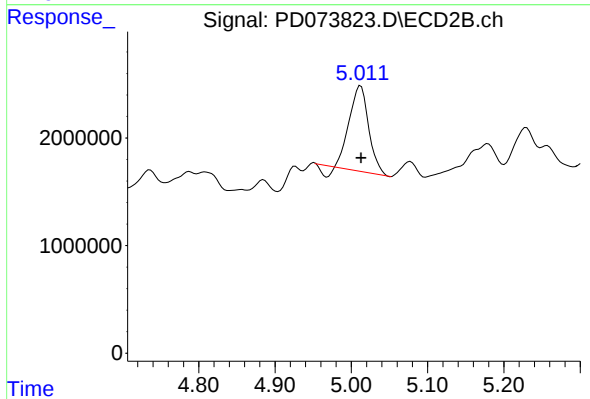
#21 Endrin ketone

R.T.: 6.865 min  
Delta R.T.: 0.014 min  
Response: -5318745  
Conc: N.D.



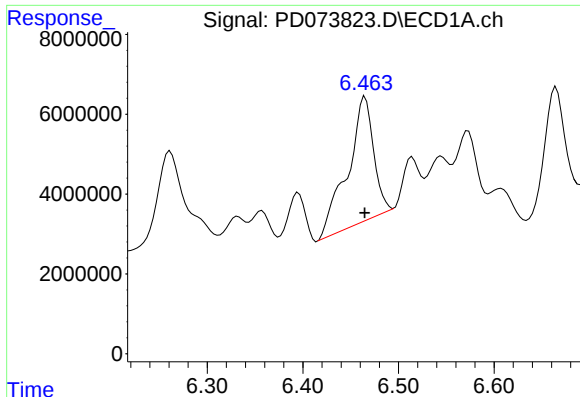
#22 Toxaphene-1

R.T.: 0.000 min  
Exp R.T. : 6.261 min  
Response: 0  
Conc: N.D.



#22 Toxaphene-1

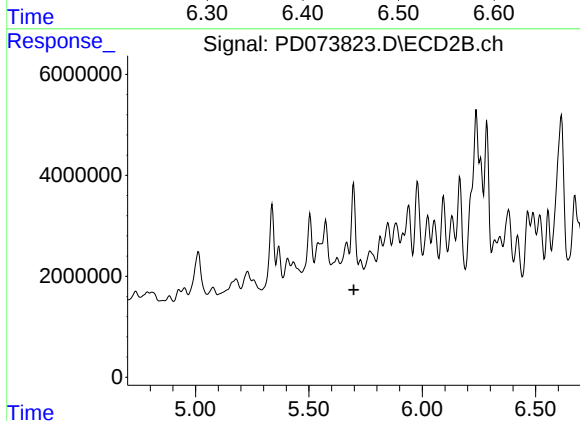
R.T.: 5.012 min  
Delta R.T.: 0.000 min  
Response: 13460989  
Conc: 1533.76 ng/ml



#23 Toxaphene-2

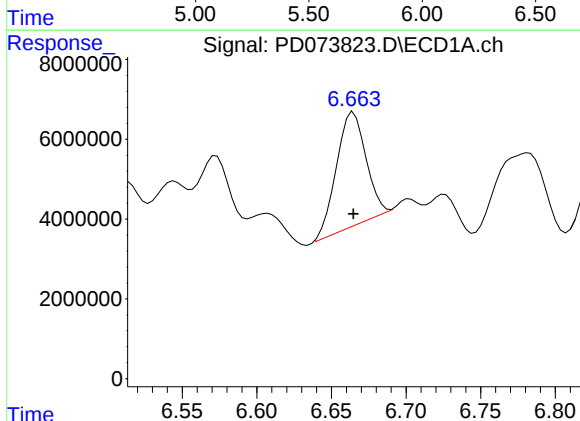
R.T.: 6.465 min  
Delta R.T.: 0.000 min  
Response: 58204226  
Conc: 1977.57 ng/m

Instrument :  
ECD\_D  
ClientSampleId :



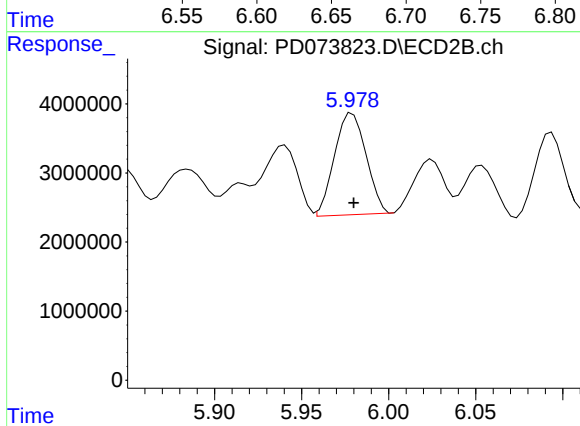
#23 Toxaphene-2

R.T.: 5.728 min  
Delta R.T.: 0.030 min  
Response: -3593733  
Conc: N.D.



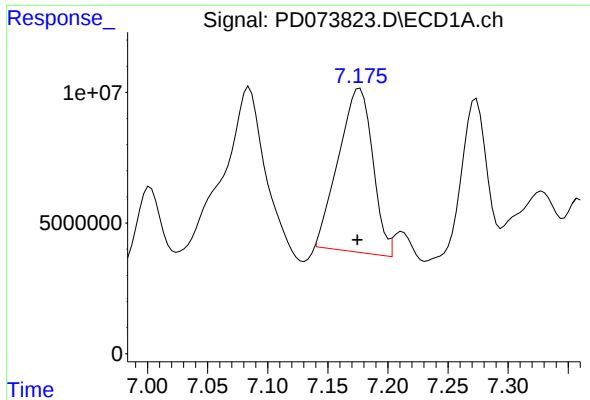
#24 Toxaphene-3

R.T.: 6.665 min  
Delta R.T.: 0.000 min  
Response: 40429514  
Conc: 1922.72 ng/ml



#24 Toxaphene-3

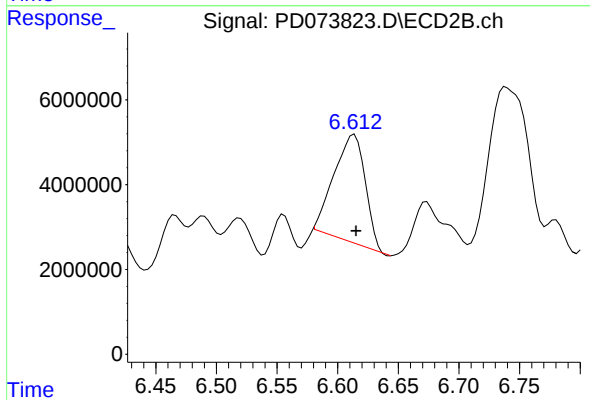
R.T.: 5.979 min  
Delta R.T.: 0.000 min  
Response: 18579493  
Conc: 1927.55 ng/ml



#25 Toxaphene-4

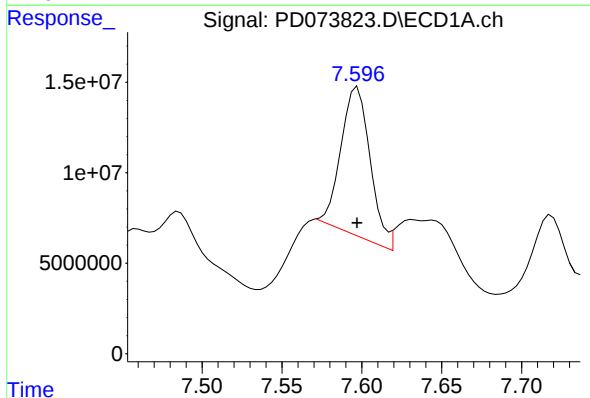
R.T.: 7.177 min  
Delta R.T.: 0.002 min  
Response: 124173332  
Conc: 1974.35 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



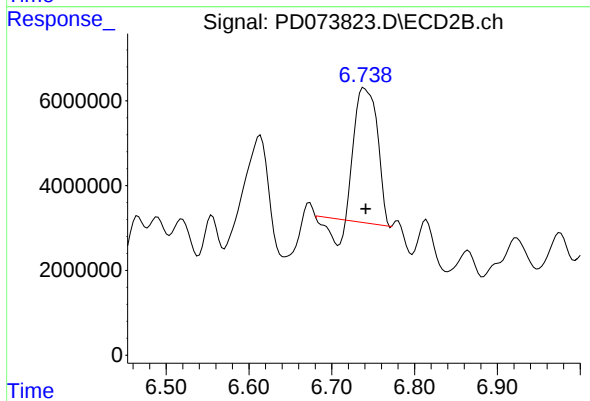
#25 Toxaphene-4

R.T.: 6.614 min  
Delta R.T.: -0.002 min  
Response: 45434710  
Conc: 1529.77 ng/ml



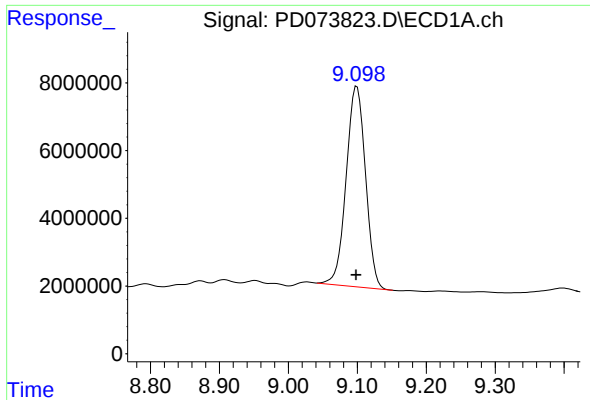
#26 Toxaphene-5

R.T.: 7.597 min  
Delta R.T.: 0.000 min  
Response: 105050966  
Conc: 2234.59 ng/ml



#26 Toxaphene-5

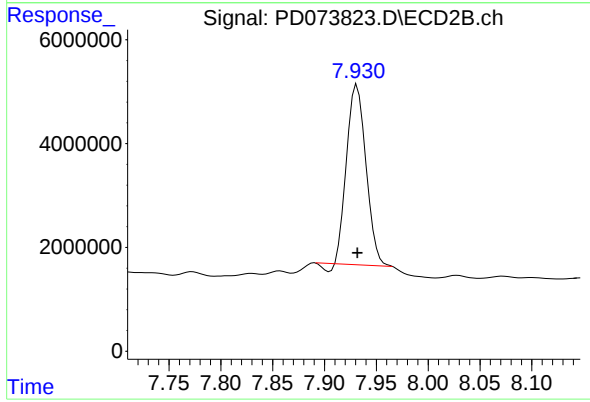
R.T.: 6.739 min  
Delta R.T.: -0.002 min  
Response: 56487204  
Conc: 1492.62 ng/ml



#27 Decachlorobiphenyl

R.T.: 9.099 min  
Delta R.T.: 0.001 min  
Response: 115102409  
Conc: 41.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



#27 Decachlorobiphenyl

R.T.: 7.931 min  
Delta R.T.: 0.000 min  
Response: 44557172  
Conc: 37.02 ng/ml